

Sub B2

~~Abstract~~

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An electronic zoom image input method which enables zooming without declining the resolution by ^{receiving} receiving an input image transmitted through a fixed focal distance optical system having a function of compressing the circumferencial part of the input image by means of a photodetector with a uniform pixel density and subjecting the received image to image correction conversion to obtain an output image.

It is necessary to use a conventional optical zoom lens which is essential but has a complex and large construction. Instead, by using a simple fixed focal distance lens, zoom image input of small, simple, all-electronic system is realized.

Further, three-dimensional/zooming, which conventionally requires precise interlock of two zoom lenses, can be realized with a very simple construction without using a zoom lens.